Airport SCADA-BHS Specialist

FLSA:	Standard/Non-Exempt	**EEO Category:**	(50) Para-Prof
Class Code:	11050	**Salary Grade:**	LI3
Approved:	November 12, 2012	**Last Revised:**	December 19, 2012

Purpose:

Under general supervision, perform a variety of moderately complex engineering and technical tasks in support of the Supervisory Control & Data Acquisition Baggage Handling System (SCADA-BHS) projects and assignments. Exercise judgment within the defined methods, procedures, and practices.

Duties, Functions and Responsibilities:

Essential duties and functions, pursuant to the Americans with Disabilities Act, may include the following. Other related duties may be assigned.
1. Supports 24/7 real-time control system integrity and ensure the highest operational reliability and system availability. This requires after hours on-call support to meet the response requirements for restoring the mission critical system.
2. Installs, enhances, troubleshoots, calibrates and repairs systems and/or equipment that is part of the Austin Airport's Supervisory Control and Data Acquisition (SCADA) systems and Baggage Handling Systems (BHS).
3. Conducts field inspections of baggage handling system
4. Learns application programming activities, including coding, testing, debugging, documentation and system modifications
5. Configures and programs process control applications (Human Machine Interfaces), Programmable Logic Controllers (PLC) and Remote Terminal Unit (RTU) functions
6. Performs loop checks, point-to-point checks, control loop analysis and hardware/software diagnostics of SCADA and ESS systems and equipment.
7. Maintains stock and parts inventories and documentation for all systems

Responsibilities - Supervisor and/or Leadership Exercised:

None

Knowledge, Skills, and Abilities:

Must possess required knowledge, skills, abilities and experience and be able to explain and demonstrate, with or without reasonable accommodations, that the essential functions of the job can be performed.
• Ability to work with Unix (TRU64 Unix preferred).
• Knowledge of PLC ladder login programming.
• Knowledge of Siemens, GE Fanuc, or Allen Bradley integrated architecture.
• Ability to understand database design and application development.
• Ability to perform systems testing of specification requirements.
• Ability to understand and use standard application development design, report and project management tools.
• Ability to effectively participate in multiple projects or project capacities.
• Ability to perform objective analyses and re-engineering of business processes to maximize quality service and cost-effectiveness.

Minimum Qualifications:

Graduation from an accredited four-year college or university with major course work in a field related to Electrical Engineering, Control Systems Engineering, Computer Science, Information Systems, or Mathematics plus two(2) years in a field related to SCADA or Baggage Handling Process Control.

Experience may substitute for education up to four years

Licenses and Certifications Required:

State of Texas Class "C" Drivers License